

TABLE 40

Preliminary federal obligations for experimental development, by agency and field of R&D: FY 2022

(Dollars in thousands)

| Agency | Total | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering | Other fields |
|---|-------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|-------------|--------------|
| All agencies | 100,594,656 | 3,665,177 | 823,525 | 31,701,993 | 269,168 | 3,608,794 | 401,193 | 133,015 | 48,022,467 | 11,969,324 |
| Departments | | | | | | | | | | |
| Department of Agriculture | 248,877 | 6,225 | 1,458 | 65,103 | 0 | 1,523 | 0 | 11,471 | 3,198 | 159,900 |
| Agricultural Marketing Service | 7,484 | 0 | 0 | 7,484 | 0 | 0 | 0 | 0 | 0 | 0 |
| Agricultural Research Service | 159,900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 159,900 |
| Animal and Plant Health Inspection Service | 21,217 | 0 | 0 | 21,217 | 0 | 0 | 0 | 0 | 0 | 0 |
| Forest Service | 55,136 | 1,085 | 1,458 | 36,402 | 0 | 1,523 | 0 | 11,471 | 3,198 | 0 |
| National Agricultural Statistics Service | 5,140 | 5,140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Department of Commerce | 282,525 | 4,515 | 135,891 | 75,677 | 593 | 7,276 | 0 | 40,186 | 11,720 | 6,667 |
| Census Bureau | 38,560 | 3,895 | 0 | 0 | * | 0 | 0 | 34,640 | 0 | 0 |
| National Institute of Standards and Technology | 73,711 | * | 0 | 59,608 | 259 | 3,253 | 0 | 0 | 10,590 | 0 |
| National Oceanic and Atmospheric Administration | 170,254 | 619 | 135,891 | 16,068 | 309 | 4,023 | 0 | 5,546 | 1,130 | 6,667 |
| Department of Defense | 65,095,967 | 3,505,010 | 269,246 | 4,821,855 | 267,031 | 1,799,394 | 401,161 | 76,481 | 43,907,285 | 10,048,505 |
| Defense Advanced Research Projects Agency | 1,812,259 | 120,229 | 6,489 | 0 | 0 | 137,645 | 0 | 0 | 1,087,206 | 460,690 |
| Defense Health Agency | 2,362,905 | 0 | 0 | 2,351,387 | 0 | 0 | 7,583 | 0 | 1,445 | 2,490 |
| Department of the Air Force | 10,823,005 | 414,320 | 1,263 | 16,842 | 0 | 166,068 | 0 | 0 | 7,129,073 | 3,095,439 |
| Department of the Army | 10,844,886 | 2,272,631 | 102,423 | 2,159,745 | 228,965 | 827,483 | 388,127 | 51,964 | 0 | 4,813,549 |
| Department of the Navy | 16,587,032 | 175,470 | 128,499 | 3,064 | 3,061 | 190,273 | 5,451 | 11,571 | 15,891,276 | 178,366 |
| Space Force | 4,517,004 | 0 | 0 | 0 | 32,586 | 75,480 | 0 | 0 | 4,366,047 | 42,890 |
| Other defense agencies | 18,148,876 | 522,360 | 30,572 | 290,818 | 2,418 | 402,445 | 0 | 12,945 | 15,432,237 | 1,455,081 |
| Department of Education | 113,341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 113,341 |
| Department of Energy | 3,441,231 | 58,856 | 7,982 | 37,494 | 639 | 74,796 | 0 | 0 | 3,236,965 | 24,500 |
| Advanced Research Projects Agency—Energy | 225,000 | 21,888 | 2,262 | 37,489 | 0 | 0 | 0 | 0 | 163,362 | 0 |
| Electricity Delivery and Energy Reliability | 59,302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59,302 | 0 |
| Energy Efficiency and Renewable Energy | 1,384,153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,384,153 | 0 |
| Environmental Management | 23,450 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23,450 |
| National Nuclear Security Administration | 1,579,646 | 15,919 | 5,720 | * | 639 | 74,796 | 0 | 0 | 1,481,518 | 1,050 |
| Defense Programs | 234,685 | 0 | 0 | 0 | 0 | 977 | 0 | 0 | 233,708 | 0 |

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(Dollars in thousands)

| Agency | Total | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering | Other fields |
|---|-----------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|-------------|--------------|
| Office of Justice Programs | 5,857 | 509 | 0 | 0 | 0 | 1,852 | 0 | 3,496 | 0 | 0 |
| Department of State | 20,000 | 0 | 0 | 20,000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Department of Transportation | 284,043 | 0 | * | 0 | 0 | 1,000 | * | 0 | 38,401 | 244,578 |
| Federal Aviation Administration | 244,578 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 244,578 |
| Federal Highway Administration | 29,775 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29,775 | 0 |
| Federal Motor Carrier Safety Administration | 1,000 | 0 | 0 | 0 | 0 | 1,000 | 0 | 0 | 0 | 0 |
| Federal Railroad Administration | 8,690 | 0 | * | 0 | 0 | 0 | * | 0 | 8,626 | 0 |
| Department of the Treasury | 15,045 | 0 | 0 | 0 | 0 | 14,392 | 0 | 0 | 653 | 0 |
| Bureau of Engraving and Printing | 14,392 | 0 | 0 | 0 | 0 | 14,392 | 0 | 0 | 0 | 0 |
| Mint | 653 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 653 | 0 |
| Department of Veterans Affairs | 158,358 | 0 | 0 | 158,358 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other agencies | | | | | | | | | | |
| Agency for International Development | 30,487 | 0 | 0 | 28,087 | 0 | 0 | 0 | 0 | 0 | 2,400 |
| Environmental Protection Agency | 119,086 | 1,631 | 49,082 | 47,046 | 906 | 2,843 | 0 | 688 | 16,889 | 0 |
| Library of Congress | 2,406 | 0 | 0 | 0 | 0 | 2,406 | 0 | 0 | 0 | 0 |
| National Aeronautics and Space Administration | 3,805,240 | 0 | 201,079 | 0 | 0 | 1,677,947 | 0 | 0 | 642,573 | 1,283,641 |
| Nuclear Regulatory Commission | 3,516 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,516 | 0 |
| Tennessee Valley Authority | 27,549 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27,549 | 0 |

* = amount greater than \$0 but less than \$50,000.

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table. As of volume 71 (FYs 2021–22), the fields of R&D (formerly, "fields of science and engineering") were revised for consistency with other National Center for Science and Engineering Statistics surveys; some fields were added, merged, or split, and some fields were renamed. Therefore, the data are not directly comparable with totals reported in previous years. See technical table A-3 for additional notes associated with the taxonomy changes to the fields listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.